Title (en)

NETWORK ASSISTED INTERFERENCE CANCELLATION AND SUPPRESSION, CONTROL METHOD AND DEVICE THEREOF

Title (de)

NETZWERKUNTERSTÜTZTE INTERFERENZUNTERDRÜCKUNG, STEUERUNGSVERFAHREN UND VORRICHTUNG DAFÜR

Title (fr)

ANNULATION ET SUPPRESSION D'INTERFÉRENCE ASSISTÉES PAR RÉSEAU, DISPOSITIF ET PROCÉDÉ DE COMMANDE ASSOCIÉS

Publication

EP 3197128 B1 20210217 (EN)

Application

EP 15844374 A 20150529

Priority

- CN 201410505308 A 20140926
- CN 2015080381 W 20150529

Abstract (en)

[origin: EP3197128A1] The disclosure discloses Network Assisted Interference Cancellation and Suppression (NAICS), methods and devices for controlling the same, which are configured to reduce processing complexity of User Equipment (UE) in NAICS under the condition of no excessive high-layer signalling overhead and no waste of a Carrier Aggregation (CA) capability of the UE in a CA scenario. The method for NAICS includes that: the UE receives an Interference Cancellation (IC) indication message sent by a Node B, and the IC indication message includes an Identifier (ID) of a Component Carrier (CC) which is targeted when the UE performs NAICS. The CC is a CC which performs CA transmission on the UE; and the UE performs NAICS on the CC according to the IC indication message.

IPC 8 full level

H04L 29/08 (2006.01); **H04B 1/10** (2006.01); **H04W 72/08** (2009.01)

CPC (source: EP US)

H04B 1/10 (2013.01 - US); **H04L 65/1016** (2013.01 - EP); **H04L 65/40** (2013.01 - US); **H04W 8/24** (2013.01 - US); **H04W 24/08** (2013.01 - US); **H04W 24/10** (2013.01 - US); **H04W 72/541** (2023.01 - US); **H04W 72/542** (2023.01 - US); H04L 65/80 (2013.01 - EP)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 3197128 A1 20170726; **EP 3197128 A4 20170927**; **EP 3197128 B1 20210217**; CN 105450565 A 20160330; CN 105450565 B 20190514; JP 2017535139 A 20171124; JP 6682517 B2 20200415; US 10128877 B2 20181113; US 2017222671 A1 20170803; WO 2016045404 A1 20160331

DOCDB simple family (application)

EP 15844374 A 20150529; CN 201410505308 A 20140926; CN 2015080381 W 20150529; JP 2017516726 A 20150529; US 201515514779 A 20150529